

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	185	cumene adj oxidation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L2	4071	butylbenzene	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L3	23	L1 and L2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L4	23102	MEK	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L5	274328	\$peroxide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L6	74	L2 and L4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 09:24
L7	53	L6 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L8	7	US-2632026-\$.DID. OR US-2632773-\$. DID. OR US-2757209-\$.DID. OR US-4358618-\$.DID. OR US-5254751-\$. DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 06:27
L9	8	US-5298667-\$.DID. OR US-5304684-\$. DID. OR US-5530166-\$.DID. OR US-6486365-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:41
L10	15	L8 or L9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:29
L11	2	"5398667".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:43

## EAST Search History

L12	2	"5298667".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 05:43
L13	2	"2904592".PN.	USPAT; USOCR	OR	ON	2007/02/28 05:44
L14	2	"2957921".PN.	USPAT; USOCR	OR	ON	2007/02/28 05:44
L15	1	"4408083".PN.	USPAT; USOCR	OR	ON	2007/02/28 05:45
L16	1	"4567304".PN.	USPAT; USOCR	OR	ON	2007/02/28 05:45
L17	10	"2300903"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 06:41
L18	2	("6307112").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 06:48
L19	9	("1088807").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 07:05
L20	10	"2182802"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 07:07
L21	8	"5304684"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 07:07
L22	2	("5304684").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 07:07
L23	1726426	continuous	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 09:25
L24	19	l6 and l23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 09:25
L25	2	"5298667"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 09:53

## EAST Search History

L26	0	I23 and I25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:12
L27	162	(568/754).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 10:13
L28	381	(568/716).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 10:15
L29	297	(568/385).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 10:15
L30	0	("I27orI28").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/02/28 10:15
L31	542	I27 or I28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:15
L32	31	I29 and I31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:17
L33	81816	methyl adj ethyl adj ketone	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:17
L34	2	I32 and I33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:18
L35	2	I4 and I31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:18
L36	11	I23 and I32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:30
L37	1882867	series	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:31

## EAST Search History

L38	9	I32 and I37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/28 10:31
-----	---	-------------	---	----	----	------------------

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	4	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	5	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	6	NOV 10	CA/CAPLUS F-Term thesaurus enhanced
NEWS	7	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	8	NOV 20	CA/CAPLUS to MARPAT accession number crossover limit increased to 50,000
NEWS	9	DEC 01	CAS REGISTRY updated with new ambiguity codes
NEWS	10	DEC 11	CAS REGISTRY chemical nomenclature enhanced
NEWS	11	DEC 14	WPIDS/WPINDEX/WPIX manual codes updated
NEWS	12	DEC 14	GBFULL and FRFULL enhanced with IPC 8 features and functionality
NEWS	13	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	14	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	15	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	16	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	17	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	18	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	19	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	20	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	21	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	22	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	23	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	24	JAN 29	PHAR reloaded with new search and display fields
NEWS	25	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	26	FEB 13	CASREACT coverage to be extended
NEWS	27	Feb 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	28	Feb 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	29	Feb 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	30	Feb 26	MEDLINE reloaded with enhancements
NEWS	31	Feb 26	EMBASE enhanced with Clinical Trial Number field
NEWS	32	Feb 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	33	Feb 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	34	Feb 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 06:57:34 ON 28 FEB 2007

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.84	0.84

FILE 'REGISTRY' ENTERED AT 07:00:09 ON 28 FEB 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 FEB 2007 HIGHEST RN 923673-01-2  
DICTIONARY FILE UPDATES: 27 FEB 2007 HIGHEST RN 923673-01-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e sec-butylbenzene/cn

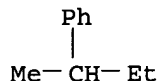
E1	1	SEC-BUTYLSTATINE/CN
E2	1	SEC-BUTYLZINE/CN
E3	1 -->	SEC-BUTYLBENZENE/CN
E4	1	SEC-BUTYLBENZENE CATION RADICAL/CN
E5	1	SEC-BUTYLBENZENE CATION(2+)/CN
E6	1	SEC-BUTYLBENZENE COMPOUND WITH MERCURIC BROMIDE (1:1)/CN
E7	1	SEC-BUTYLBENZENE HYDROPEROXIDE/CN
E8	1	SEC-BUTYLBENZENE-ETHYLBENZENE-TOLUENE MIXTURE/CN
E9	1	SEC-BUTYLBENZOQUINONE/CN
E10	1	SEC-BUTYLBIS(2-(DICYCLOHEXYLPHOSPHINO)ETHYL)AMINE/CN
E11	1	SEC-BUTYLBIS(2-(DIPHENYLPHOSPHINO)ETHYL)AMINE/CN
E12	1	SEC-BUTYLBIS(3-HYDROXYPROPYL)PHOSPHINE OXIDE/CN

=> e3

L1 1 SEC-BUTYLBENZENE/CN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 135-98-8 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Benzene, (1-methylpropyl)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzene, sec-butyl- (8CI)  
 OTHER NAMES:  
 CN (±)-sec-Butylbenzene  
 CN (α-Methylpropyl)benzene  
 CN (1-Methylpropyl)benzene  
 CN (RS)-2-Phenylbutane  
 CN 2-Phenylbutane  
 CN NSC 8466  
 CN sec-Butylbenzene  
 DR 36383-15-0  
 MF C10 H14  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
 CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, DETHERM\*,  
 ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB,  
 IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, RTECS\*, SPECINFO,  
 TOXCENTER, ULIDAT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1525 REFERENCES IN FILE CA (1907 TO DATE)  
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1527 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e methyl ethyl ketone/cn

E1	1	METHYL ETHYL HEXANE-1,6-DICARBAMATE/CN
E2	1	METHYL ETHYL HYDROXYETHYL CELLULOSE/CN
E3	1 -->	METHYL ETHYL KETONE/CN
E4	1	METHYL ETHYL KETONE 1,3-DIMETHYLBUTYLHYDRAZONE/CN
E5	1	METHYL ETHYL KETONE 2,4-DINITROPHENYLHYDRAZONE/CN
E6	1	METHYL ETHYL KETONE AZINE/CN
E7	1	METHYL ETHYL KETONE BENZYLHYDRAZONE/CN
E8	1	METHYL ETHYL KETONE CYANOHYDRIN/CN
E9	1	METHYL ETHYL KETONE CYCLOHEXYLHYDRAZONE/CN
E10	1	METHYL ETHYL KETONE DIBUTYLMERCAPTOLE/CN
E11	1	METHYL ETHYL KETONE ENOL ACETATE/CN
E12	1	METHYL ETHYL KETONE HYDRAZONE/CN

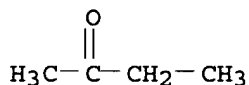
=> e3

L2 1 "METHYL ETHYL KETONE"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 78-93-3 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2-Butanone (8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:

CN 3-Butanone  
 CN Butanone  
 CN Ethyl methyl ketone  
 CN MEK  
 CN Methyl ethyl ketone  
 DR 135311-02-3  
 MF C4 H8 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

25551 REFERENCES IN FILE CA (1907 TO DATE)  
 265 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 25616 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e phenol/cn

E1	1	PHENOXYDINAPHTHOFUCHSONEDICARBOXYLIC ACID/CN
E2	1	PHENOKOLL/CN
E3	1 -->	PHENOL/CN
E4	1	PHENOL (COMPD. WITH IMINOBIS(PHENYLMERCURY) (1:1))/CN
E5	1	PHENOL (POLYMER), 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH H (CHLOROMETHYL)OXIRANE, DI-2-PROPENOATE, POLYMER WITH 2-CARBOXYETHYL 2-PROPENOATE, 2-((3-HYDROXY-2,2-BIS((1-OXO-2-PROPENYL)OXY)METHYL)PROP)/CN
E6	1	PHENOL B-D-GLUCURONIDE/CN
E7	1	PHENOL 102/CN
E8	1	PHENOL 1:1 COMPLEX WITH DIETHYL SULFIDE/CN
E9	1	PHENOL 1:1 COMPLEX WITH DIMETHYLACETAMIDE/CN
E10	1	PHENOL 2-HYDROXYLASE/CN
E11	1	PHENOL 2-HYDROXYLASE COMPONENT B (OCEANOBACILLUS IHEYENSIS S TRAIN HTE831 GENE OB2870)/CN
E12	1	PHENOL 2-MONOOXYGENASE/CN

=> e3

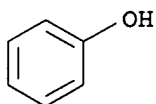
L3 1 PHENOL/CN

=> d 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 108-95-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenol (8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN Benzenol  
 CN Carboic acid  
 CN ENT 1814



CN Hydroxybenzene  
 CN Monohydroxybenzene  
 CN Monophenol  
 CN NSC 36808  
 CN Oxybenzene  
 CN Phenic acid  
 CN Phenyl alcohol  
 CN Phenyl hydrate  
 CN Phenyl hydroxide  
 CN Phenylic acid  
 CN Phenylic alcohol  
 DR 8002-07-1, 14534-23-7, 50356-25-7  
 MF C6 H6 O  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
 DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
 HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
 PATDPASPC, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER,  
 TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

75237 REFERENCES IN FILE CA (1907 TO DATE)  
 10699 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 75415 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
21.60	22.44

FILE 'CAPLUS' ENTERED AT 07:01:30 ON 28 FEB 2007  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 Feb 2007 VOL 146 ISS 10  
 FILE LAST UPDATED: 27 Feb 2007 (20070227/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> l1/rct

1527 L1  
2943022 RCT/RL  
L4 252 L1/RCT  
(L1 (L) RCT/RL)

=> l2/prep

25616 L2  
4366489 PREP/RL  
L5 2188 L2/PREP  
(L2 (L) PREP/RL)

=> l4 and l5

L6 13 L4 AND L5

=> oxygen

759443 OXYGEN  
7047 OXYGENS  
L7 764355 OXYGEN  
(OXYGEN OR OXYGENS)

=> dl8 1-13 ti

16 DL8  
9032513 1  
855648 13  
355005 TI  
1207 TIS  
355903 TI  
(TI OR TIS)  
L8 0 DL8 1-13 TI  
(DL8 (W) 1 (W) 13 (W) TI)

=> d l6 1-13 ti

L6 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Production of bisphenol-A and co-producing methyl ethyl ketone

L6 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Process for producing phenol and methyl ethyl ketone

L6 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Manufacture of phenol, acetone and methyl ethyl ketone

L6 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Oxidative and bond-cleavage process for the preparation of phenol, methyl ethyl ketone and acetone from mixtures of secondary-butylbenzene and cumene

L6 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Process for producing phenol and methyl ethyl ketone

L6 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Process for producing phenol and methyl ethyl ketone

L6 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Preparation of phenol and methyl ethyl ketone by oxidation of sec-benzene

L6 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Preparation of phenol and methyl ethyl ketone from sec-butylbenzene

L6 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Process for simultaneous preparation of methyl ethyl ketone and phenol

L6 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Phenol, acetone, and methyl ethyl ketone from sec-butylbenzene and cumene hydroperoxide

L6 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Electrochemical oxidation of secondary butylbenzene on a platinum electrode in the presence of manganese sulfate

L6 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Phenol and 2-butanone from sec-butylbenzene

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI sec-Butylbenzene hydroperoxide for making phenol, acetophenone, and methyl ethyl ketone

=> d 16 1-13 ti fbib abs

L6 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Production of bisphenol-A and co-producing methyl ethyl ketone  
 AN 2006:149630 CAPLUS  
 DN 144:213173  
 TI Production of bisphenol-A and co-producing methyl ethyl ketone  
 IN Smith, Charles M.; Davoren, Dennis J.; Stanat, Jon E. R.  
 PA Exxonmobil Chemical Patents Inc., USA; Exxonmobil Chemical Limited  
 SO PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006015825	A1	20060216	WO 2005-EP8554	20050805
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

US 2004-601755P P 20040813

AB A process for producing bisphenol-A and co-producing Me Et ketone comprises alkylating benzene with a C3 alkylating agent in a first reaction zone to produce cumene and alkylating benzene with a C4 alkylating agent in a second reaction zone sep. from said first reaction zone to produce secbutylbenzene. The cumene and sec-butylbenzene are then oxidized, either sep. or as a mixture, to produce the corresponding hydroperoxides and the hydroperoxides are cleaved, either sep. or as a mixture, to produce phenol, acetone and Me Et ketone. The phenol, Me Et ketone and acetone are separated and at least part of the acetone and phenol are reacted to produce bisphenol-A.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Process for producing phenol and methyl ethyl ketone  
 AN 2006:147702 CAPLUS

DN 144:234975  
 TI Process for producing phenol and methyl ethyl ketone  
 IN Cheng, Jane Chi-Ya; Buchanan, John S.; Levin, Doron; Steckel, Michael A.;  
 Dakka, Jihad M.; Stokes, James P.; Robbins, John L.; Stanat, Jon E. R.;  
 Smith, Charles M.; Santiesteban, Jose Guadalupe  
 PA Exxonmobil Chemical Patents, Inc., USA; Exxonmobil Chemical Limited  
 SO PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006015826	A1	20060216	WO 2005-EP8557	20050805
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

US 2004-601661P P 20040813

OS CASREACT 144:234975  
 AB A process for producing phenol and Me Et ketone comprises contacting  
 benzene with a C4 alkylating agent under alkylation conditions with  
 catalyst comprising a  $\beta$ -zeolite or a mol. sieve having an X-ray  
 diffraction pattern including d-spacing maxima at  $12.4 \pm 0.25$ ,  $6.9 \pm$   
 $0.15$ ,  $3.57 \pm 0.07$  and  $3.42 \pm 0.07$  Angstrom to produce an alkylation  
 effluent comprising sec-butylbenzene (I). I is then oxidized to produce a  
 hydroperoxide and the hydroperoxide is decomposed to produce phenol and Me  
 Et ketone. Using this catalyst provided I substantially free of  
 isobutylbenzene and tert-butylbenzene byproducts.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Manufacture of phenol, acetone and methyl ethyl ketone  
 AN 2001:246557 CAPLUS  
 DN 134:282462  
 TI Manufacture of phenol, acetone and methyl ethyl ketone  
 IN Pompetzki, Werner; Gerlich, Otto; Kleinloh, Werner  
 PA Phenolchemie G.m.b.H. & Co. K.-G., Germany  
 SO Eur. Pat. Appl., 7 pp.  
 CODEN: EPXXDW

DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088809	A1	20010404	EP 2000-117403	20000811
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19946888	A1	20010405	DE 1999-19946888	19990930
	BG 104775	A	20010928	BG 2000-104775	20000919
	JP 2001151710	A	20010605	JP 2000-294173	20000927
	CN 1290681	A	20010411	CN 2000-129071	20000929
				DE 1999-19946888	19990930

AB The Hock fragmentation of cumene hydroperoxide (I) produces equimol. amts. of PhOH and Me<sub>2</sub>CO but the fragmentation of hydroperoxides obtained from mixts. of I containing ≤25% sec-butylbenzene gives the mixts. of the title compds. where the ratio of individual compds. can be regulated. For example, oxidizing a mixture of 80% cumene and 20% EtCHMePh for 2.5 h at 132° with O<sub>2</sub>, concentrating the products in vacuo and subjecting the residue to heating at 50° in the presence of 2000 ppm H<sub>2</sub>SO<sub>4</sub> gave the title compds. with the fragmentation yield >95% for Me<sub>2</sub>CO, 92.3 for EtCOME and >99% for PhOH.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Oxidative and bond-cleavage process for the preparation of phenol, methyl ethyl ketone and acetone from mixtures of secondary-butylbenzene and cumene

AN 2001:246555 CAPLUS

DN 134:266096

TI Oxidative and bond-cleavage process for the preparation of phenol, methyl ethyl ketone and acetone from mixtures of secondary-butylbenzene and cumene

IN Pompetzki, Werner; Gerlich, Otto; Kleinloh, Werner

PA Phenolchemie G.m.b.H. & Co. K.-G., Germany

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1088807	A1	20010404	EP 2000-117401	20000811
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19946887	A1	20010405	DE 1999-19946887	A 19990930
	BG 104776	A	20010531	DE 1999-19946887	19990930
				BG 2000-104776	20000919
				DE 1999-19946887	A 19990930
	JP 2001097901	A	20010410	JP 2000-294583	20000927
				DE 1999-19946887	A 19990930
	BR 2000004487	A	20010529	BR 2000-4487	20000927
				DE 1999-19946887	A 19990930
	CN 1290682	A	20010411	CN 2000-129072	20000929
				DE 1999-19946887	A 19990930

OS CASREACT 134:266096

AB Phenol, Me Et ketone, and acetone are prepared in high yield and selectivity by the oxidation of mixts. of secondary-butylbenzene and cumene (the cumene content in the mixture is 3-15%) with oxygen-containing gases (e.g., air) to form a mixture of secondary-butylbenzene hydroperoxide and cumene hydroperoxide which are subjected to bond cleavage in the presence of an acid (e.g., sulfuric acid) catalyst.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Process for producing phenol and methyl ethyl ketone

AN 1994:486255 CAPLUS

DN 121:86255

TI Process for producing phenol and methyl ethyl ketone

IN Nishida, Hiroshi; Kimura, Kazuo; Hamada, Shouji; Toma, Masaaki; Nagaoka, Hirooki

PA Sumitomo Chemical Company, Ltd., Japan

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5304684	A	19940419	US 1993-86896	19930707
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224
				JP 1993-4493	A 19930305
	JP 06072921	A	19940315	JP 1992-344333	19921224
	JP 3367056	B2	20030114		
				JP 1992-179711	A1 19920707

## PATENT FAMILY INFORMATION:

FAN 1994:438045

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 578194	A2	19940112	EP 1993-110771	19930706
	EP 578194	B1	19980204		
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224
				JP 1993-44923	A 19930305
	JP 06072921	A	19940315	JP 1992-344333	19921224
	JP 3367056	B2	20030114		
				JP 1992-179711	A1 19920707
	JP 06256238	A	19940913	JP 1993-44923	19930305
	CA 2099058	A1	19940108	CA 1993-2099058	19930623
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224
				JP 1993-44923	A 19930305

AB Sec-butylbenzene hydroperoxide obtained by oxidizing sec-butylbenzene is decomposed into phenol and MEK, a resulting liquid comprising MEK as the main component is washed with an aqueous alkali solution to remove carboxylic acids, carboxylic acid esters, unsatd. ketones, and aldehydes, and the washed liquid is further subjected to neutralization, dehydration, and distillation

MEK

can be obtained which has a high quality with regard to purity and potassium permanganate fading.

L6 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Process for producing phenol and methyl ethyl ketone

AN 1994:438045 CAPLUS

DN 121:38045

TI Process for producing phenol and methyl ethyl ketone

IN Nishida, Hiroshi; Kimura, Kazuo; Hamada, Shouji; Toma, Masaaki; Nagaoka, Hirooki

PA Sumitomo Chemical Co., Ltd., Japan

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 578194	A2	19940112	EP 1993-110771	19930706
	EP 578194	B1	19980204		
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224
				JP 1993-44923	A 19930305
	JP 06072921	A	19940315	JP 1992-344333	19921224
	JP 3367056	B2	20030114		
				JP 1992-179711	A1 19920707
	JP 06256238	A	19940913	JP 1993-44923	19930305
	CA 2099058	A1	19940108	CA 1993-2099058	19930623
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224

JP 1993-44923

A 19930305

## PATENT FAMILY INFORMATION:

FAN 1994:486255

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5304684	A	19940419	US 1993-86896	19930707
				JP 1992-179711	A 19920707
				JP 1992-344333	A 19921224
				JP 1993-4493	A 19930305
	JP 06072921	A	19940315	JP 1992-344333	19921224
	JP 3367056	B2	20030114		

JP 1992-179711 A1 19920707

AB Sec-Butylbenzene hydroperoxide obtained by oxidizing sec-butylbenzene is decomposed into phenol and MEK, a resulting liquid comprising MEK as the main component is washed with an aqueous alkali solution to remove carboxylic acids, carboxylic acid esters, unsatd. ketones, and aldehydes, and the washed liquid is further subjected to neutralization, dehydration, and distillation

MEK

prepared by this process has a high quality with regard to purity and potassium permanganate fading.

L6 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of phenol and methyl ethyl ketone by oxidation of sec-benzene

AN 1993:670797 CAPLUS

DN 119:270797

TI Preparation of phenol and methyl ethyl ketone by oxidation of sec-benzene

IN Yamauchi, Kazuhiro; Tamura, Mitsuhsa

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05178773	A	19930720	JP 1991-344978	19911226
	JP 3089780	B2	20000918		

JP 1991-344978 19911226

AB The title preparation involves (1) oxidation of sec-butylbenzene (I) to obtain a

reaction liquid containing sec-butylbenzene hydroperoxide (II) as the main component, (2) concentration of the oxidation reaction liquid by distillation to obtain a

bottoms liquid containing II as the main component and a distillate containing I as

the main component from the top of the distillation column., (3) contacting the latter bottoms liquid with an acid catalyst to decompose II into phenol and MeCOEt, (4) neutralization of the resulting decomposition liquid with an

aqueous

alkali solution, separation of the oil and the aqueous layer, and recycling a portion

of the aqueous layer to the neutralization step, (5) washing the oil layer with water, separation of the oil layer containing phenol and MeCOEt as the

main

components, and recycling a part or all of the aqueous layer to the neutralization step, and (6) distillation of the oil layer to sep. phenol and MeCOEt. The water-rinse step efficiently removes aliphatic acid and inorg. salts, e.g. HCO<sub>2</sub>Na, AcONa, and Na<sub>2</sub>SO<sub>4</sub>, and minimizes the content of the salts in the distillation liquid and thereby the process prevents deposition of salts in the distillation column and provides long-term operation with

stability

and high heat efficiency.

L6 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of phenol and methyl ethyl ketone from sec-butylbenzene

AN 1993:580528 CAPLUS  
 DN 119:180528  
 TI Preparation of phenol and methyl ethyl ketone from sec-butylbenzene  
 IN Iwanaga, Kiyoshi; Tamura, Mitsuhisa; Nakayama, Toshio; Usui, Masahiro;  
 Umida, Hiroyuki; Nagaoka, Hirooki  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Eur. Pat. Appl., 15 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 548986	A1	19930630	EP 1992-121983	19921224
	EP 548986	B1	19960313		
	R: BE, DE, FR, GB, IT, NL				
				JP 1991-344976	A 19911226
				JP 1991-344977	A 19911226
				JP 1992-180768	A 19920708
				JP 1992-186538	A 19920714
	JP 05178772	A	19930720	JP 1991-344977	19911226
	JP 3089779	B2	20000918		
	JP 05229972	A	19930907	JP 1992-180768	19920708
				JP 1991-344976	A1 19911226
	JP 06032750	A	19940208	JP 1992-186538	19920714
	JP 3225605	B2	20011105		
	CA 2082688	A1	19930627	CA 1992-2082688	19921112
	CA 2082688	C	20030211		
				JP 1991-344976	A 19911226
				JP 1991-344977	A 19911226
				JP 1992-180768	A 19920708
				JP 1992-186538	A 19920714
	US 5298667	A	19940329	US 1992-995971	19921223
				JP 1991-344976	A 19911226
				JP 1991-344977	A 19911226
				JP 1992-180768	A 19920708
				JP 1992-186538	A 19920714
	KR 231625	B1	19991115	KR 1992-25538	19921224
				JP 1991-344976	A 19911226

OS CASREACT 119:180528

AB The title process comprises the steps of: I) oxidizing one material selected from: A) sec-butylbenzene substantially free from Et hydroperoxide, carboxylic acids and phenol, B) sec-butylbenzene substantially free from styrenes, and C) sec-butylbenzene substantially free from methylbenzyl alc., to obtain sec-butylbenzene hydroperoxide, and II) decomposition the sec-butylbenzene hydroperoxide. Thus, oxidation of sec-butylbenzene containing 0.0084 weight% methylbenzyl alc. in air gave 12.81 weight% sec-butylbenzene hydroperoxide, whereas, similar oxidation of sec-butylbenzene containing 0.1067 weight% methylbenzyl alc. gave 5.29 weight% sec-butylbenzene hydroperoxide.

L6 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Process for simultaneous preparation of methyl ethyl ketone and phenol  
 AN 1991:408292 CAPLUS  
 DN 115:8292  
 TI Process for simultaneous preparation of methyl ethyl ketone and phenol  
 IN Unger, Thomas Alfred  
 PA Brazil  
 SO Braz. Pedido PI, 9 pp.  
 CODEN: BPXXDX  
 DT Patent  
 LA Portuguese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------



PI BR 8901852 A 19901106 BR 1989-1852 19890414  
BR 1989-1852 19890414

AB MEK and PhOH are simultaneously prepared by oxidation of sec-BuPh (I) with air or O<sub>2</sub>, followed by cleavage of the resultant hydroperoxide PhC(OOH)(Me)Et (II). The oxidation of I is preferably done at 80-180° and 3-7 bar in the presence of alkaline salts of Pb, Sb, Sn, or Bi (<1/10,000 by weight Na ion vs. I), with a concentration of <27% II, 15-25% conversion of I, and reaction time 1-10 h. For rearrangement of II to MEK and PhOH, preferred conditions are 50-80°, anhydrous, 0.1-1.2 weight% acid in mixture, pressure <1 bar, residence time 10-40 min., and a S-containing catalyst.

L6 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Phenol, acetone, and methyl ethyl ketone from sec-butylbenzene and cumene hydroperoxide

AN 1988:74975 CAPLUS

DN 108:74975

TI Phenol, acetone, and methyl ethyl ketone from sec-butylbenzene and cumene hydroperoxide

IN Yamamoto, Minoru; Yoshino, Kenji; Sasaki, Toshiki; Mizuno, Takehisa

PA Dainippon Ink and Chemicals, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62114922	A	19870526	JP 1985-252856	19851113
				JP 1985-252856	19851113

AB Phenol, Me<sub>2</sub>CO, and MeCOEt (I) were prepared by liquid-phase oxidation of sec-BuPh

(II) with mol. O<sub>2</sub>-containing gas in the presence of cumene (III) or cumene hydroperoxide. Thus, mixing II and III 4 h at 120° and 5 kg/cm<sup>2</sup>-gage while bubbling in air and adding 2% aqueous NaOH to keep the solution

from being acidic, concentration, and heating with H<sub>2</sub>SO<sub>4</sub> in Me<sub>2</sub>CO 30 min at ≤50° gave PhOH, Me<sub>2</sub>CO, and I each in 95% yield.

L6 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Electrochemical oxidation of secondary butylbenzene on a platinum electrode in the presence of manganese sulfate

AN 1980:84830 CAPLUS

DN 92:84830

TI Electrochemical oxidation of secondary butylbenzene on a platinum electrode in the presence of manganese sulfate

AU Solomin, A. V.; Antropova, V. I.; Komarova, E. N.

CS USSR

SO Issled. Geterogen. Sistem., Alma-Ata (1979) 180-2

From: Ref. Zh., Khim. 1979, Abstr. No. 22B1481

DT Journal

LA Russian

AB Title only translated.

L6 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI Phenol and 2-butanone from sec-butylbenzene

AN 1977:189486 CAPLUS

DN 86:189486

TI Phenol and 2-butanone from sec-butylbenzene

IN Mikami, Ichiro; Danno, Sadao; Uchida, Izuhiko; Tazaki, Yasutaka; Kugimoto, Junichi; Okahara, Etsuo

PA Ube Industries, Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 51133239	A	19761118	JP 1975-55477	19750513
				JP 1975-55477	A 19750513

AB PhOH and MeCOEt were prepared from MeEtCHPh by liquid-phase oxidation with O in the presence of HBr. Thus, 4.28 g MeEtCHPh in 1,2-dichloroethane was placed under 1 atm HBr and 1.84 atm HCl in an autoclave and treated with O at 55° for 15 min to give 48.1% PhOH and 42.8% MeCOEt with 2.27 g MeEtCHPh conversion.

L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

TI sec-Butylbenzene hydroperoxide for making phenol, acetophenone, and methyl ethyl ketone

AN 1973:515304 CAPLUS

DN 79:115304

TI sec-Butylbenzene hydroperoxide for making phenol, acetophenone, and methyl ethyl ketone

IN Wolf, Philip Frank

PA Union Carbide Corp.

SO Ger. Offen., 23 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2300903	A1	19730802	DE 1973-2300903	19730109
				US 1972-216788	A 19720110
	JP 48080524	A	19731029	JP 1973-5001	19730109
				US 1972-216788	A 19720110
	FR 2182802	A1	19731214	FR 1973-599	19730109
				US 1972-216788	A 19720110
	FR 2183296	A1	19731214	FR 1973-22292	19730619
				US 1972-216788	A 19720110

AB EtCMePhOOH was prepared by oxidation of EtCHMePh, containing <1% Me2CHCH2Ph and essentially free of S and olefins, by an O-containing gas at 75-100°. MeCOPh and EtCMePhOH were obtained as significant by-products.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
75.29	97.73

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-10.14	-10.14

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:09:34 ON 28 FEB 2007